# Samsung Color & Monochrome Laser Printers & MFPs

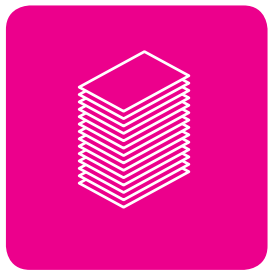
## Product Guide

SAMSUNG

# All they do is work, work, work.

Even when you love what you do, you still just want to get it done. Samsung printers and multifunction printers are designed with that very goal in mind. They're fast and easy to use. They're reliable and cost effective. They deliver sharp, professional-looking plain paper documents. No matter what you're working for, Samsung is working for you.

**Superior Productivity**



## Do more with more.

Higher paper capacities. Faster print speeds. Built-in automatic duplexing. Easier toner systems and low costs per page. Notice a pattern? Samsung imaging products are packed with features that make you more productive.

**Higher Quality**

## It's hard not to notice.

In a recent reliability survey, Samsung does best among laser printers in reliability measures, according to *PC World* magazine (1/05). And not only are our products dependable, they produce professional-quality documents with laser-sharp text, detailed graphics and photo-quality plain paper documents.

**Better Solutions**

## It's better to be first.

The first built-in wireless networking solution for laser printers. The first USB 2.0 port. The first built-in duplex unit. Our ownership of the integrated development and manufacturing processes allows us to deliver the newest technologies fast, and even provides the flexibility to develop customer-specific solutions.

Features and services listed above may vary by model.

# Problem solved.

Samsung printers are so reliable and easy to use, it's a surprise when a problem occurs. But with our new Dr. Printer diagnostic software, you can be back in business with just a couple of clicks of the mouse.

Dr. Printer quickly eliminates printer problems and the need to search for and download drivers and software. This intelligent system will identify your printer model and provide recommended updates and fixes, so your system can be up and running, and stay running, in no time.

If you ever have a problem with your printer or MFP, just visit **www.samsungdp.com** to access the free Dr. Printer program.

- Updates your printer/MFP to the latest driver
- Easy to use through direct PC/printer connections as well as multiple printer networks
- Automates driver installation and reinstallation
- Automatic driver diagnosis and settings
  - Set printer default
  - Change printer port
  - Check communications connection between printer and your system
  - Delete pending jobs
  - Set online status
  - Diagnose standalone and network printers

# Need more help?

If you still have questions, you can visit www.samsung.com/printer to access our printer support web page, where you can find answers to common questions, and download manuals and software.

Or if you want to talk to one of our Samsung Customer Support Representatives, call our U.S.-based Customer Support Center toll-free at 1-800-SAMSUNG (1-800-726-7864).

- Toll-free call
- Speak with a Customer Support Representative
- No charge for support, whether in warranty or out of warranty
- Shortest hold time in the industry, less than one minute average
- Telephone resolution rate as high as 97%

## Create your own advantages.

Samsung delivers a complete range of document solutions, turning department challenges into organizational advantages.

## Connectivity solutions.

In addition to USB and parallel ports, most Samsung printers and MFPs feature standard or optional 10/100 Base-TX Ethernet network connectivity plus 802.11b wireless network compatibility, so you can grow your business the way you want.

## Device management solutions.

Using our SyncThru solutions, it's easy to manage any printer on the network, from any PC on the network. Our exclusive SyncThru and WebSyncThru applications make it easy to install, control and manage Samsung network printers through dedicated software or a standard web browser. Obtain device status, update device software, receive alerts and more.

## Job accounting solutions.

Did you know the cost associated with printing and handling documents is the third highest in most organizations behind human resources and rent? Samsung printers provide full compatibility with Print Audit 4 software, so you can reduce this cost by up to 30 percent in three easy steps.

**Analyze** Track all local and network print volumes and report findings in the form of pre-formatted, user-defined reports and graphs.

**Reduce** Define user quotas and job limits, or redirect print jobs to more efficient printers to cut and control overall print costs.

**Recover** Integrate captured print data with virtually any accounting program to recover billable printing costs from users or customers, resulting in substantial savings and/or revenue.

## Network scanning solutions.

How do you email a hard copy? With a Samsung MFP. Our powerful laser multifunction products are even more powerful as part of a network. With our quick and easy Scan-To-Email feature, you just scan your single- or double-sided document, select a recipient from the address book and send it on its way, all right from your Samsung MFP. You can even input addresses directly with an optional integrated keyboard. Scan-To-File functionality lets you scan a document directly to any computer on the network.

## Healthcare solutions.

Print, copy, fax and scan. It's all in a day's work at hospitals and doctor's offices around the world. And Samsung office products have the built-in security and convenience features healthcare providers need; features that support HIPAA compliance and help assure patient privacy.

**Easy Wristband Printing** There's no room for error when it comes to patient identification. Together, Samsung and LaserBand® provide a complete ID solution that makes it easy to create wristbands, charge labels and more with any Samsung laser printer. LaserBand tear-proof, moisture-proof wrist and ankle bands provide a large area for printing names, account numbers, bar codes and even patient photos.

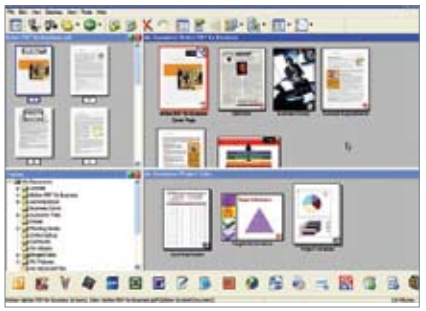
**Privacy Policy** Facedown output trays, secure fax functions, secure network scanning and so much more. Samsung printers and MFPs are packed with the features needed to maintain the high level of patient privacy essential in today's healthcare environment.

**Media Flexibility** Samsung printers and multifunction products support a wide range of sheet fed labels, tags, forms, card stock and more. Plus, internal barcode and custom electronic-form support can eliminate the need for preprinted documents.

**Office Efficiency** In addition to all the important features that make our products so uniquely ideal for the healthcare industry, Samsung printers and MFPs deliver world-class all-around performance, like fast print speeds, flexible connectivity, money-saving efficiency and more.

## Document management solutions.

With Samsung multifunction products, converting piles of paper into organized, searchable and shareable digital files is a point-and-click operation. We partnered with ScanSoft® to ensure maximum compatibility with their popular PaperPort® software and deliver an integrated document management solution that allows individuals and workgroups to enjoy easy-to-use scanning and image clean-up, PDF creation and more. You'll not only free up valuable office space, you'll also become a more efficient operation overnight by more easily managing the document lifecycle with electronic filing and more.



# Samsung CLP Series Color Laser Printers

**Samsung CLP series color laser printers offer the most complete solutions in the category. Fast, versatile and durable, they're packed with every feature you need to do business more brilliantly.**

**Superior Print Speeds** Our CLP-510 series and CLP-600N color printers deliver all the speed you need. The CLP-510 series prints up to 25 ppm in black and up to 6 ppm in color, while the CLP-600N prints up to 21 ppm in both black and color.

**Higher Paper Capacity** With one of the highest built-in paper capacities in the category, the CLP-510 series and CLP-600N let you print 350 pages without ever having to reload. And a second 500-sheet paper cassette is available for even greater capacity.

**Small and Light** Our CLP-300 color laser printer is the smallest and lightest in its class, making it easy for you to have color wherever you want it.

**Low Cost Per Page** Our CLP-510 series printers have the lowest cost of operation in their class.

**Built-In Duplex Printing** Save time, money and enjoy error-free two-sided printing with a built-in duplex unit on the CLP-510 series that makes it easy to print both sides of a page.

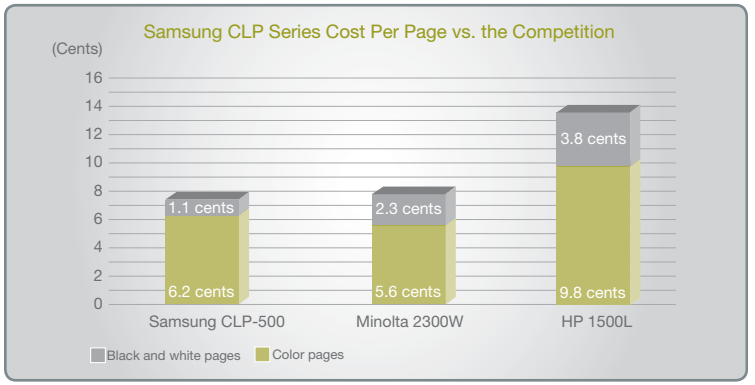
**Whisper-Quiet Operation** With fewer moving parts, our exclusive NO NOIS™ technology allows our CLP-600N to operate at a quiet 50 dBA, while our CLP-510 series and CLP-300 are even quieter at 49 dBA, making for a more comfortable, less stressful workplace.

**Versatile Connectivity** With USB 2.0, IEEE-1284 parallel, Ethernet and 802.11a/b/g wireless interfaces, CLP series printers are ready for easy plug-and-print setup with almost any application (standard connectivity varies by model).

## Check the specs.

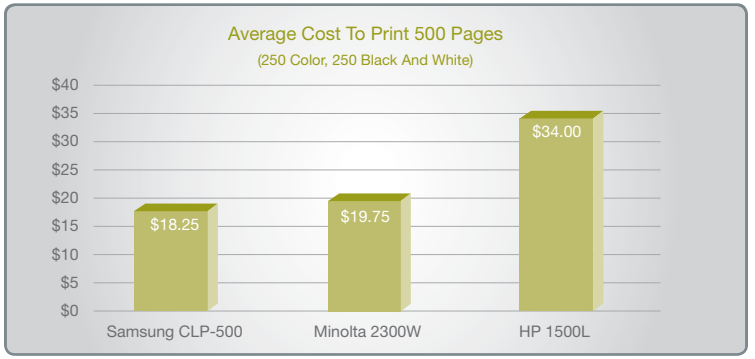
Compare Samsung CLP Series printers to the competition, and it's easy to see our color laser printers are the fastest and quietest. What you won't find in their brochures, however, is the CLP Series' cost of ownership advantage. But in fact, as soon as we introduced our CLP series printers, the CLP-500 was independently tested to be the most cost-effective among key competitors, delivering the lowest cost per page and lowest total cost of ownership when printing both color and black and white.

Save big when printing both color and black and white.




Compared to the Samsung CLP Series printer, the cost of printing one color and one black and white page is almost 8% higher for the Minolta 2300W and a staggering 86% higher for the HP 1500L.

Save almost $160 on every box of paper printed.




With its significantly lower cost per page, a Samsung CLP Series color laser printer can save you up to $15.75 in printing costs each ream. That's almost $160 per 10-ream box.

**Test Methodology Summary** NSTL, Inc. conducted an independent cost per page analysis that included three high-quality color laser printer models. The cost per page analysis is a comparison of the indices that could be used to forecast possible printing costs after the purchase of the printers. Each printer's index is arrived at by summing the individual consumables' cost per page. The individual consumable cost per page is calculated by dividing the accumulated consumable yield from all test runs into the total cost of the consumables utilized by those runs. Toner yield output is defined as the total of all printed sheets, for six cartridges of each color (including black), that did not contain a major permanent print error (e.g. print quality deemed unacceptable). Drum yield output is defined as the total number of sheets printed, regardless of print quality, while printing with a specific drum. NSTL concluded that the Samsung CLP-500 offered the lowest cost per page and the lowest total cost of ownership, and that the "difference in the cost per page could save the end user a significant amount of money over the life of the printer." All figures noted are from NSTL's independent test.

| | CLP-300/300N Color Laser | CLP-510/510N Color Laser | CLP-600N Color Laser | CLP-650/650N Color Laser |
|---|---|---|---|---|
| | | | | |
| | Big color in a compact printer. The CLP-300 is the smallest and lightest color laser printer in its class. | A new level of productivity. The CLP-510 and CLP-510N network printer are packed with innovations that make it easy to create your most valuable documents ever. | Color at the speed of black and white. The CLP-600N prints at speeds of 21 ppm in black and 21 ppm in color. | Fast black and white. Fast color. At 21 ppm black/21 ppm color, the CLP-650/650N printers won't keep you waiting. |
| **Product Specifications** | **Best for home and small office** | **Best for small businesses** | **Best for medium businesses** | **Best for large businesses** |
| **Printing** | | | | |
| Technology | Laser | Laser | Laser | Laser |
| Print Speed[1] (Black/Color) | Up to 17 ppm/4 ppm | Up to 25 ppm/6 ppm | Up to 21 ppm/21 ppm | Up to 21 ppm/21 ppm |
| Duplex Print Speed[1] (Black/Color) | N/A | Up to 11 ipm/6 ipm | N/A | N/A |
| First Page Out[1] (Black/Color) | Less than 14 seconds/26 seconds (from Ready) | Less than 13 seconds/21 seconds (from Ready) | Less than 20 seconds (from Ready) | Less than 20 seconds (from Ready) |
| Print Resolution | Up to 2400 x 600 dpi effective output | Up to 1200 x 1200 dpi effective output | Up to 2400 x 600 dpi effective output | Up to 2400 x 600 dpi effective output |
| Processor | Samsung 300 MHz | Samsung SPGPm | 250 MHz | 600 MHz |
| Memory, Standard | CLP-300: 32 MB, CLP-300N: 64 MB | 64 MB | 32 MB | 256 MB |
| Memory, Maximum | CLP-300: 32 MB, CLP-300N: 64 MB | 192 MB | 32 MB | 512 MB |
| Duty Cycle (Black) | Up to 24,200 pages per month | Up to 35,000 pages per month | Up to 45,000 pages per month | Up to 45,000 pages per month |
| Print Language | SPL-C (host-based printing) | SPL-C (host-based printing) | SPL-C (host-based printing) | PCL 6, PostScript Level 3 |
| **Connectivity** | | | | |
| Connectivity, Standard | CLP-300: High-speed USB 2.0<br>CLP-300N: High-Speed USB 2.0, 10/100 Base-TX Ethernet | CLP-510: High-Speed USB 2.0<br>CLP-510N: High-Speed USB 2.0, 10/100 Base-TX Ethernet | High-Speed USB 2.0, 10/100 Base-TX Ethernet | CLP-650: High-Speed USB 2.0, IEEE-1284 parallel<br>CLP-650N: High-Speed USB 2.0, IEEE-1284 parallel, 10/100 Base-TX Ethernet |
| Connectivity, Optional | N/A | CLP-510: 10/100 Base-TX Ethernet, 802.11b wireless<br>CLP-510N: 802.11b wireless | 802.11a/b/g wireless | 802.11a/b/g wireless |
| **Paper Handling** | | | | |
| Input Capacity, Standard | 150-sheet semi-cassette tray | 250-sheet cassette, 100-sheet multipurpose tray | 250-sheet cassette, 100-sheet multipurpose tray | 250-sheet cassette, 100-sheet multipurpose tray |
| Input Capacity, Optional | N/A | 500 sheets | 500-sheet cassette | 500-sheet cassette |
| Output Capacity, Standard (Face-Down) | 100 sheets | 250 sheets | 250 sheets | 250 sheets |
| Two-Sided Printing | Manual | Automatic | Manual | Manual |
| Media Sizes | 3" x 5" to 8.5" x 14" | 3" x 5" to 8.5" x 14" | 3.5" x 5.5" to 8.5" x 14" | 3.5" x 5.5" to 8.5" x 14" |
| Media Weights | 16 - 43 lb. | Cassette: 16 – 24 lb., multipurpose tray: 16 – 43 lb. | Cassette: 16 – 24 lb., multipurpose tray: 16 – 43 lb. | Cassette: 16 – 24 lb., multipurpose tray: 16 – 43 lb. |
| **Supported Operating Systems** | | | | |
| Microsoft® Windows® | Windows 98, Me, 2000, XP, 2003 | Windows 98, Me, 2000, XP, 2003 | Windows 98, Me, NT 4.0, 2000, XP, 2003 | Windows 98SE, Me, NT 4.0, 2000, XP, 2003 |
| Apple® Mac OS®[4] | OS 10.3 – 10.4 | OS 10.3 | OS 10.3 – 10.4 | OS 8.6 - 9.2, OS 10.1 - 10.4 |
| Linux[4] | Red Hat 8.0-9.0, Fedora Core 1-3, Mandrake 9.2-10.1, SuSE 8.2-9.2 | Red Hat, Caldera, Debian, Mandrake, Slackware, Turbolinux, SuSE (via USB only) | Red Hat, Mandrake, Fedora Core, SuSE (via USB only) | Red Hat, Mandrake, Fedora Core, SuSE (via USB only) |
| **General** | | | | |
| Standard Fonts | N/A | N/A | N/A | 45 scalable, 1 bitmap, 136 PostScript |
| Acoustics[3] (Printing, Standby) | Less than 49 dBA, less than 35 dBA | 49 dBA | Less than 50 dBA, less than 30 dBA | Less than 50 dBA, less than 30 dBA |
| Power Consumption (Printing, Power Save) | Less than 350 watts, less than 17 watts | 450 watts, 17 watts | 450 watts, 35 watts | 450 watts, 35 watts |
| Dimensions (W x D x H) | 15.4" x 13.5" x 10.4" | 20.1" x 18.5" x 15.9" | 18.3" x 18.3" x 17.5" | 18.3" x 18.3" x 17.5" |
| Weight | 30.0 lbs. | 70.5 lbs. | 62.8 lbs. | 64.2 lbs. |
| **Supplies[5]** | | | | |
| Toner Yield (Black, Color) | Up to 2,000 pages, 1,000 pages | Up to 7,000 pages, 5,000 pages (starter: 3,000, 2,000) | Up to 4,000 pages (starter: Up to 2,000 pages) | Up to 4,000 pages (starter: Up to 2,000 pages) |
| Black Toner | CLP-K300A (2,000 pages) | CLP-510D3K, CLP-510D7K (3,000 pages, 7,000 pages) | CLP-K600A (4,000 pages) | CLP-K600A (4,000 pages) |
| Cyan Toner | CLP-C300A (1,000 pages) | CLP-510D2C, CLP-510D5C (2,000 pages, 5,000 pages) | CLP-C600A (4,000 pages) | CLP-C600A (4,000 pages) |
| Magenta Toner | CLP-M300A (1,000 pages) | CLP-510D2M, CLP-510D5M (2,000 pages, 5,000 pages) | CLP-M600A (4,000 pages) | CLP-M600A (4,000 pages) |
| Yellow Toner | CLP-Y300A (1,000 pages) | CLP-510D2Y, CLP-510D5Y (2,000 pages, 5,000 pages) | CLP-Y600A (4,000 pages) | CLP-Y600A (4,000 pages) |
| Other Supplies | Waste Toner Container CLP-W300A, Page yield: up to 5,000 black, up to 1,250 color pages<br>Imaging Kit CLP-R300A, Yield: up to 20,000 black, up to 12,500 color pages | OPC Drum CLP-510RB, Yield: up to 50,000 images<br>Waste Toner Container CLP-500WB, Page yield: up to 12,000 black, 3,000 color<br>Image Transfer Belt CU-510RT, Yield: up to 50,000 images | Image Transfer Belt CLP-T600A, Yield: up to 35,000 images<br>Fuser Unit CLP-F600B, Yield: up to 50,000 images | Image Transfer Belt CLP-T600A, Yield: up to 35,000 images<br>Fuser Unit CLP-600B, Yield: up to 50,000 images |
| **Accessories** | | | | |
| Second Paper Cassette | N/A | CLP-510S5 | CLP-S600A | CLP-S600A |
| Wired Network Solution | N/A | ML-00NC | N/A | N/A |
| Wired + Wireless Network Solution | N/A | ML-00LC | CLP-N600B | CLP-N600B |
| Memory Upgrades | N/A | ML-00MC (64 MB), ML-00MD (128 MB) | N/A | Up to 256 MB |

## Samsung Photo Printers

**Surround yourself with beautiful views. Samsung photo printers make it easy to turn a digital image into a lab-quality 4" x 6" photograph in just 60 seconds.**

**Better Than Inkjet** Sophisticated Dye Diffusion Thermal Transfer print process delivers photos visibly superior to those from inkjet printers.

**Computer-Free Printing** All you need is a camera and these printers to print beautiful pictures. No computer required.

**Print Your Way** Print photos fast, from Windows or Macintosh, via high-speed USB 2.0.

**Large or Small** Print borderless, full-size 4" x 6" photos or smaller.

**Easy Editing** The SPP-2040 adds a 7-in-1 memory card slot and a 2-inch color LCD that allows you to preview, rotate and zoom to create exactly the photo you want, even when you're away from your computer.

**Get Unplugged** Convenient Bluetooth option lets you print directly from your Bluetooth-enabled camera, camera-phone or computer.

**Long-Term Memories** A water- and fade-resistant coating protects images from sunlight and fingerprints.

| | SPP-2020 Photo Printer | SPP-2040 Photo Printer |
|---|---|---|
| | The SPP-2020 is available accented in high-tech silver or high-style red, and prints beautiful photos just the way you like them. | In addition to 60-second print speeds and more, the SPP-2040 includes a convenient 7-in-1 memory card reader and 2-inch color LCD for editing. |
| **Product Specifications** | **Best for home** | **Best for home** |
| **Printing** | | |
| Technology | Dye Diffusion Thermal Transfer | Dye Diffusion Thermal Transfer |
| Print Speed[1] | Less than 60 seconds per print | Less than 60 seconds per print |
| First Print Out[1] | Less than 75 seconds | Less than 75 seconds |
| Print Resolution | Lab-quality prints using dye sub technology | Lab-quality prints using dye sub technology |
| Memory (Flash, DRAM) | 1 MB, 16 MB | 4 MB, 32 MB |
| Operating System Compatibility[2] | Windows 98, Me, 2000, XP; Mac OS 10.3 | Windows 98, Me, 2000, XP; Mac OS 10.3 |
| Emulation | JPEG | JPEG |
| **Connectivity** | | |
| Connectivity, Standard | PC: USB 2.0, Direct: USB 1.1 | PC: USB 2.0, Direct: USB 1.1 |
| Connectivity, Optional | Bluetooth | Bluetooth |
| Memory Card Reader | N/A | xD-Picture Card, CompactFlash Type I and II (and Microdriver), MultiMedia Card, Memory Stick, Memory Stick-PRO (serial type), Secure Digital, SmartMedia |
| Direct Printing | PictBridge™ | PictBridge™ |
| **Paper Handling** | | |
| Media Size | 4" x 6" | 4" x 6" |
| Input Capacity | 20-sheet cassette | 20-sheet cassette |
| Output Capacity | 10-sheet tray (face up) | 10-sheet tray (face up) |
| **General** | | |
| Display | N/A | 2" adjustable color TFT LCD |
| Operating Conditions | 50° – 89° F (10°C – 32°C), 20% – 80% relative humidity | 50° – 89° F (10°C – 32°C), 20% – 80% relative humidity |
| Acoustics[3] | Less than 55 dBA | Less than 55 dBA |
| Power Requirements | 110 ~ 240 VAC, 50/60 Hz, 1.5A | 110 ~ 240 VAC, 50/60 Hz, 1.5A |
| Power Consumption | Print: 40 watts, Standby: 10 watts | Print: 40 watts, Standby: 10 watts |
| Dimensions (W x D x H) | 7.1" x 5.4" x 2.4" | 7.1" x 5.4" x 2.6" |
| Weight | 2.2 lbs. (without cassette) | 2.4 lbs. (without cassette) |
| Warranty | 1 year from date of purchase or 2,000 prints, whichever comes first | 1 year from date of purchase or 2,000 prints, whichever comes first |
| **Supplies** | | |
| Samsung Print Packs | IPP-4640G (40 sheets of 4" x 6" photo paper and print ribbon) IPP-46120G (120 sheets of 4" x 6" photo paper and print ribbon) (Printer ships with a starter pack that includes 10 sheets of 4" x 6" photo paper and print ribbon) | IPP-4640G (40 sheets of 4" x 6" photo paper and print ribbon) IPP-46120G (120 sheets of 4" x 6" photo paper and print ribbon) (Printer ships with a starter pack that includes 10 sheets of 4" x 6" photo paper and print ribbon) |
| **Accessories** | | |
| Bluetooth Wireless Adapter | SPP-00BA | SPP-00BA |

## Samsung Monochrome Laser Printers

**With fast print speeds, exclusive features, renowned reliability and more, Samsung laser printers deliver uniquely superior solutions.**

**One-Touch Access**[Δ] No more wasting time with complicated print drivers to find the functions you want. Samsung lets you do it with one touch and then get back to business.

**One-Touch TonerSave**[Δ] The touch of a button easily extends the life of your toner cartridges by up to 40% when used consistently.

**One-Touch Cancel**[Δ] Stop print jobs with the touch of a button, then move on with your life.

**Two-Sided Printing**[Δ] Quickly and easily print on both sides of the paper. Save paper. Save money.

**Compatibility**[Δ] Samsung printers are widely compatible, supporting a number of operating systems.

**Optional Wireless Printing**[Δ] Print quickly from a laptop or set up an easily expandable network.

**Networking**[Δ] Samsung makes networking easy. Many Samsung laser printers are available with a PortThru NIC card and SyncThru network management software for full 10/100 Base-TX network compatibility.

[Δ]Standard features vary by model.

## ML-2010 Compact Personal Laser Printer

The ML-2010 is a compact personal printer that helps you get the job done quickly and professionally.

## ML-2250 Series Office Laser Printer

Our ML-2250 and ML-2251N printers combine an attractive design with fast print speeds and expandability.

## ML-2550 Series Workgroup Laser Printer

The ML-2550 and ML-2551N deliver the capacity and durability to handle the demands of fast-paced small to medium workgroups.

## ML-3560 Series High Volume Workgroup Laser Printer

The ML-3560, ML-3561N and ML-3561ND have the power and speed to help big businesses.

| Product Specifications | Best for home and education | Best for small offices | | Best for medium offices | | Best for large offices | | |
|---|---|---|---|---|---|---|---|---|
| **Printing** | | | | | | | | |
| Technology | Laser | Laser | | Laser | | Laser | | |
| Print Speed[1] | Up to 22 ppm | Up to 22 ppm | | Up to 25 ppm, Duplex print speed: up to 14 ipm | | Up to 35 ppm, Duplex print speed: up to 24 ipm | | |
| First Page Out[1] | Less than 10 seconds (from Ready) | Less than 10 seconds (from Ready) | | Less than 12 seconds (from Ready) | | Less than 9 seconds (from Ready) | | |
| Print Resolution | Up to 1200 x 600 dpi effective output | Up to 1200 x 1200 dpi effective output | | Up to 1200 x 1200 dpi effective output | | Up to 1200 x 1200 dpi effective output | | |
| Processor | Samsung 150 MHz | Samsung 166 MHz | | Samsung 266 MHz | | Samsung 400 MHz | | |
| Memory (Standard, Max) | 8 MB, 8 MB | 16 MB, 144 MB | | 32 MB, 160 MB | | 32 MB, 288 MB | | |
| Duty Cycle | Up to 5,000 pages per month | Up to 30,000 pages per month | | Up to 100,000 pages per month | | Up to 150,000 pages per month | | |
| Print Language, Standard | SPL (Samsung Printer Language, host-based printing) | PCL 6, IBM ProPrinter, Epson | | PCL 6, PostScript Level 3, IBM ProPrinter, Epson | | PCL 6, PostScript Level 3, IBM ProPrinter, Epson | | |
| **Connectivity** | | ML-2250 | ML-2251N | ML-2550 | ML-2551N | ML-3560 | ML-3561N | ML-3561ND |
| Hi-Speed USB 2.0 | USB 1.1 (compatible with USB 2.0) | Standard | Standard | Standard | Standard | Standard | Standard | Standard |
| IEEE-1284 Parallel | N/A | Standard | Standard | Standard | Standard | Standard | Standard | Standard |
| 10/100 Base-TX Ethernet | N/A | Optional | Standard | Optional | Standard | Optional | Standard | Standard |
| Wireless | N/A | 802.11b wireless optional | | 802.11b wireless optional | | 802.11a/b/g wireless optional | | |
| **Paper Handling** | | | | | | | | |
| Input Capacity, Standard (Tray 1, Bypass) | 150-sheet multipurpose tray, 1-sheet manual tray | 250-sheet cassette, 50-sheet multipurpose tray | | 500-sheet cassette, 100-sheet multipurpose tray | | 500-sheet cassette, 100-sheet multipurpose tray | | |
| Input Capacity, Optional | N/A | 250-sheet cassette | | 500-sheet cassette | | 500-sheet cassette | | |
| Output Capacity, Standard (Face-Down, Face-Up) | 100 sheets | 150 sheets, 1 sheet | | 250 sheets, 100 sheets | | 250 sheets, 100 sheets | | |
| Two-Sided Printing | Manual | Manual | | Automatic | | ML-3560/3561: Optional, ML-3561ND: Automatic | | |
| Media Sizes | 3" x 5" to 8.5" x 14" (legal) | 3" x 5" to 8.5" x 14" (legal) | | 3" x 5" to 8.5" x 14" (legal) | | 3" x 5" to 8.5" x 14" (legal) | | |
| Media Weights | 16 - 43 lb. | Cassette: 16 – 24 lb., multipurpose tray: 16 – 43 lb. | | Cassette: 16 – 28 lb., multipurpose tray: 16 - 43 lb. | | Cassette: 16 – 28 lb., multipurpose tray: 16 - 43 lb. | | |
| **Supported Operating Systems** | | | | | | | | |
| Microsoft® Windows® | 98, Me, 2000, XP | 95, 98, Me, NT 4.0, 2000, XP | | 95, 98, Me, NT 4.0, 2000, XP | | 95, 98, Me, NT 4.0, 2000, XP, 2003 Server | | |
| Apple® Mac OS®[5] | OS 10.3 | N/A | | OS 8.6 – 9.2, 10.1 – 10.3 | | OS 8.6-9.2, 10.1-10.3 | | |
| Linux[6] | Various operating systems including Red Hat, Caldera, Debian, Mandrake, Slackware, Turbolinux, SuSE | Various operating systems including Red Hat, Caldera, Debian, Mandrake, Slackware, Turbolinux, SuSE | | Various operating systems including Red Hat, Caldera, Debian, Mandrake, Slackware, Turbolinux, SuSE | | Various operating systems including Red Hat, Caldera, Debian, Mandrake, Slackware, Turbolinux, SuSE | | |
| **General** | | | | | | | | |
| Standard Fonts (Scalable, Bitmap, PostScript) | Windows fonts | 45, 1, N/A | | 45, 1, 136 | | 45, 1, 136 | | |
| Acoustics (Printing, Standby)[7] | Less than 53 dBA, less than 35 dBA | Less than 53 dBA, less than 39 dBA | | Less than 53 dBA, less than 35 dBA | | Less than 55 dBA, Less than 35 dBA | | |
| Power Consumption (Printing, Power Save) | 320 watts, 8 watts | 350 watts, 15 watts | | 450 watts, 15 watts | | 600 watts, 11 watts (ML-3560), 13 watts (ML-3561N/3561ND) | | |
| Dimensions (W x D x H) | 14.1" x 11.8" x 8.5" | 14.4" x 17.8" x 10.9" | | 15.2" x 17.6" x 12.8" | | 15.6" x 17.8" x 13.9" | | |
| Weight | 12.1 lbs. | 22.7 lbs. | | 30.6 lbs. | | 37.5 lbs (ML-3561ND 40.1 lbs.) | | |
| **Supplies** | | | | | | | | |
| Samsung Print Cartridge | ML-2010D3 | ML-2250D5 | | ML-2150D8 | | ML-3560D6, ML-3560B | | |
| Print Cartridge Yield[2] (Standard, Starter) (Up to) | 3,000 pages, 1,000 pages | 5,000 pages | | 10,000 pages, 5,000 pages | | 12,000 pages, 6,000 pages | | |
| **Accessories** | | | | | | | | |
| Second Paper Cassette | N/A | ML-2250S3 (250 sheets) | | ML-2150S5 (500 sheets) | | MI-3560S5 (500 sheets) | | |
| Network Card (10/100 Base-TX) | N/A | ML-00NC (included on ML-2251N) | | ML-00NB (included on ML-2551N) | | ML-00NF (included on ML-3561N/3561ND) | | |
| Network Card (10/100 Base-TX + 802.11b Wireless) | N/A | ML-00LC | | ML-00LC | | ML-00LF | | |
| PostScript 3 Upgrade | N/A | ML-00PB | | Included | | Included | | |
| Memory Upgrade | N/A | Samsung 100-pin SDRAM (16, 32, 64, 128 MB modules) | | Samsung 100-pin SDRAM (32, 128 MB modules) | | Samsung 100-pin SDRAM (32,128, 256 MB modules) | | |

# Samsung Laser Multifunction Products

**Maximize your productivity per square foot. Our laser MFPs are feature-packed, reliable and easy.**

**TonerSave** The touch of a button easily extends the life of your toner cartridges by up to 40% when used consistently.

**PowerSave** Reduces energy consumption. And utility bills.

**PaperSave** With our 2-up copy feature, you can quickly and easily copy two pages onto one sheet of paper.

**TollSave** (available on select models) Easily store documents, then delay transmission until the phone rates are lowest, dramatically reducing telephone costs.

**Battery Back-Up** Documents are reliably stored in memory, even during a power outage, in the event your MFP runs out of paper.

**Dual Access** Double your productivity. Send or receive faxes while printing or copying at the same time.

**Quick Scan** (select models) Scan documents into memory in as little as 1.5 seconds, then move on to your next task.

| | SCX-4200 Print, Copy, Scan | SCX-4521F Print, Copy, Fax, Scan | SCX-4720FN Network Print, Copy, Fax, Scan |
|---|---|---|---|
| | | | |
| | The SCX-4200 Digital Productivity Center delivers professional laser output, even on plain paper, at costs significantly less than inkjet. | The compact SCX-4521F is an economical and efficient four-in one solution for home-based and small office settings. | Fast print speeds and network connectivity, plus a USB Direct interface that lets you print, copy, fax and scan without a computer. |
| **Product Specifications** | **Best for home and students** | **Best for home and small businesses** | **Best for businesses** |
| **Functions** | | | |
| Print | Yes | Yes | Yes |
| Copy | Yes | Yes | Yes |
| Fax | No | Yes | Yes |
| Scan | Yes | Yes | Yes |
| **Print** | | | |
| Print Speed[1] | Up to 19 ppm | Up to 20 ppm | Up to 22 ppm |
| First Print Out[1] | Less than 12 seconds | Less than 11 seconds | Less than 10 seconds |
| Print Resolution | Up to 600 x 600 dpi effective output | Up to 600 x 600 dpi effective output | Up to 1200 dpi effective output |
| Printer Memory | 2 MB RAM | 10 MB RAM | 32 MB RAM (160 MB max.) |
| Print Language | SPL (Samsung Printer Language, host-based printing) | SPL (Samsung Printer Language, host-based printing) | PCL 6 |
| Duty Cycle | Up to 4,000 pages per month | Up to 4,200 pages per month | Up to 15,000 pages per month |
| **Copy** | | | |
| Copy Speed[4] | Up to 19 cpm | Up to 20 cpm | Up to 22 cpm |
| First Copy Out | Less than 11 seconds | Less than 11 seconds | Less than 10 seconds |
| Copy Resolution (Optical/Enhanced) | Up to 600 dpi/600 dpi effective output | Up to 600 dpi/600 dpi effective output | Up to 600 dpi/4800 dpi effective output |
| Reduction and Enlargement | Platen 50-200% | Platen 25-400%, ADF 25-100% | Platen 25-400%, ADF 25-100% |
| Multiple Copies | Up to 99 copies | Up to 99 copies | Up to 99 copies |
| **Fax** | | | |
| Modem Speed[2] | N/A | 33.6 Kbps | 33.6 Kbps |
| Fax Speed[3] | N/A | Approx. 3 sec. per page | Approx. 3 sec. per page |
| Compatibility | N/A | ITU-T Group 3, ECM | ITU-T Group 3, ECM |
| Coding Methods | N/A | MH/MR/MMR, JPEG | MH/MR/MMR, JPEG, JBIG |
| Fax Memory | N/A | 2 MB (up to 160 pages) | 4 MB (up to 320 pages) |
| Fax Resolution | N/A | Up to 300 x 300 dpi | Up to 300 x 300 dpi |
| Quick Dialing | N/A | 10 one-touch dial, 90 speed dial | 40 one-touch dial, 150 speed dial |
| Battery Backup | N/A | Up to 72 hours | Up to 48 hours |
| **Scan** | | | |
| Scan Resolution (Optical/Enhanced) | Up to 600 dpi/4800 dpi | Up to 600 dpi/4800 dpi | Up to 600 dpi/4800 dpi |
| Scan Technology | Color CIS | Color CIS | Color CCD |
| Bit Depth (Text, Grayscale, Color) | 1 bit, 8 bit, 24 bit | 1 bit, 8 bit, 24 bit | 1 bit, 8 bit, 24 bit |
| Scan Size | A4/letter (8.2" x 11.7" effective scan area) | A4/letter (8.2" x 11.7" effective scan area) | A4/letter (8.2" x 14" effective scan area) |
| **Paper Handling** | | | |
| Max Paper Size | 8.5" x 14" legal | 8.5" x 14" legal | 8.5" x 14" legal |
| Paper Input Capacity | 250-sheet multipurpose tray, 1-sheet manual tray | 150-sheet multipurpose tray, 1-sheet manual tray | 250-sheet cassette, 50-sheet manual tray, (250-sheet cassette optional) |
| Paper Output Capacity (Face-Down) | 50 sheets | 50 sheets | 150 sheets |
| Automatic Document Feeder Capacity | N/A | 30 sheets | 50 sheets |
| **Supplies** | | | |
| Samsung Print Cartridge | SCX-D4200A | SCX-4521D3 | SCX-4720D5, SCX-4720D3 |
| Print Cartridge Yield[1] (Standard, Starter) | 3,000 pages, 1,000 pages | 3,000 pages, 1,000 pages | 5,000 pages, 3,000 pages |
| **General** | | | |
| Connectivity, Standard | USB 2.0 | USB 1.1 (compatible with USB 2.0), IEEE-1284 parallel | USB 2.0, IEEE-1284 parallel, 10/100 Base-TX Ethernet |
| Connectivity, Optional | N/A | N/A | N/A |
| Operating System Compatibility[6] | Windows 98, Me, NT 4.0, 2000, XP; Mac OS 10.3 - 10.4, Various Linux systems (via USB only) | Windows 98, Me, NT 4.0, 2000, XP; Mac OS 10.3, Various Linux systems (via USB only) | Windows 98, Me, NT 4.0, 2000, XP, Various Linux systems (via USB only) |
| System Memory | 8 MB RAM | 16 MB RAM | 64 MB RAM |
| Acoustics[7] | Less than 53 dBA | Less than 55 dBA | Less than 55 dBA |
| Power Consumption (PowerSave, Standby, Operation) | 10 watts, 70 watts, 350 watts | 10 watts, 55 watts, 350 watts | 10 watts, 30 watts, 400 watts |
| Dimensions (W x D x H) | 16.1" x 14.3" x 9.1" | 17.2" x 14.7" x 14.5" | 17.7" x 17.1" x 18" |
| Weight | 20.5 lbs. | 22.9 lbs. | 36.9 lbs. |

| SCX-5115/SCX-5315F | SCX-6220/SCX-6320F | SF-560 Fax, Copy | SF-565P Fax, Copy, Print, Scan |
|---|---|---|---|
| | | | |
| This 4-in-1 multifunction digital copier, fax (5315F), printer and color scanner is a convenient space-saving unit. | Duplex print, scan and copy plus fax (6320F) and optional network printing and scanning for busy workgroups. | A fast plain paper laser fax and copy solution for busy office environments. | Compact, feature-packed 4-in-1 machine for maximum space savings in small office environments. |
| **Best for businesses** | **Best for businesses** | **Best for businesses** | **Best for small offices** |
| | | | |
| Yes | Yes | No | Yes |
| Yes | Yes | Yes | Yes |
| SCX-5315F only | SCX-6320F only | Yes | Yes |
| Yes | Yes | No | Yes |
| | | | |
| Up to 16 ppm | Up to 22 ppm | N/A | Up to 17 ppm |
| Less than 13 seconds | Less than 9 seconds | N/A | Less than 12 seconds |
| Up to 1200 dpi effective output | Up to 1200 dpi effective output | N/A | Up to 600 dpi effective output |
| 8 MB RAM | 6220: 32 MB RAM (64 MB max.), 6320F: 48 MB RAM (80 MB max.) | N/A | 4 MB |
| PCL 6 | PCL 6, Postcript Level 3 optional | N/A | SPL (host-based printing) |
| Up to 18,750 pages per month | Up to 20,000 pages per month | Up to 10,000 pages per month | Up to 10,000 pages per month |
| | | | |
| Up to 15 cpm | Up to 22 cpm | Up to 17 cpm | Up to 17 cpm |
| Less than 10 seconds | Less than 8 seconds | Less than 30 seconds | Less than 30 seconds |
| Up to 600 dpi/1200 dpi effective output | Up to 600 dpi/600 dpi effective output | Up to 300 dpi effective output/N/A | Up to 300 dpi/300 dpi effective output |
| 25 – 400% | 25-400% | 50 – 150% | 50 – 150% |
| 999 pages | 999 pages | 99 pages | 99 pages |
| **Fax Specs For SCX-5315F Only** | **Fax Specs For SCX-6320F Only** | | |
| 33.6 Kbps | 33.6 Kbps | 33.6 Kbps | 33.6 Kbps |
| Approx. 3 sec. per page | Approx. 3 sec. per page | Approx. 3 sec. per page | Approx. 3 sec. per page |
| ITU-T Group 3, ECM | ITU-T Group 3, ECM | ITU-T Group 3 | ITU-T Group 3, ECM |
| MH/MR/MMR, JPEG | MH/MR/MMR, JPEG/JBIG | MH/MR/MMR | MH/MR/MMR |
| 4 MB (up to 320 pages) | 16 MB (up to 1,280 pages) | 2 MB (up to 160 pages) | 2 MB (up to 160 pages) |
| Up to 400 dpi (200 dpi color) | Up to 400 dpi (200 dpi color) | Up to 203 x 392 dpi | Up to 203 x 392 dpi |
| 40 one-touch dial, 80 speed dial | 40 one-touch dial, 200 speed dial | 20 one-touch dial, 80 speed dial | 20 one-touch dial, 80 speed dial |
| 72 hours | 100 hours | 96 hours | 96 hours |
| | | | |
| Up to 600 dpi/4800 dpi | Up to 600 dpi/4800 dpi | N/A | Up to 200 dpi/1200 dpi |
| Color CCD | Color CCD | N/A | CIS, Mono |
| 1 bit, 8 bit, 24 bit (32 bit internal) | 1 bit, 8 bit, 24 bit (36 bit internal) | N/A | 1 bit, 8 bit, N/A |
| A4/letter | A4/letter | N/A | 8.2" x 15.7" |
| | | | |
| 8.5" x 14" legal | 8.5" x 14" legal | 8.5" x 14" legal | 8.5" x 14" legal |
| 550-sheet cassette, 100-sheet multipurpose tray | 550-sheet cassette, 100-sheet multipurpose tray | 250-sheet cassette, 1-sheet manual tray | 250-sheet cassette, 1-sheet manual tray |
| 250 sheets | 250 sheets | 150 sheets | 150 sheets |
| 30 sheets | 50 sheets | 20 sheets | 20 sheets |
| | | | |
| SCX-5312D6, SCX-5315R2 | SCX-6320D8, SCX-6320R2 | SCX-4216D3 | SCX-4216D3 |
| Toner: 6,000 pages, Drum: 15,000 pages | Toner: 8,000 pages (Drum: 20,000 pages) | 3,000 pages, 1,000 pages | 3,000 pages, 1,000 pages |
| | | | |
| USB 1.1 (compatible with USB 2.0), IEEE-1284 parallel | USB 2.0, IEEE-1284 parallel | USB 1.1 (compatible with USB 2.0), IEEE-1284 parallel | USB 1.1 (compatible with USB 2.0), IEEE-1284 parallel |
| 10/100 Base-TX Ethernet, 802.11b wireless | 10/100 Base-TX Ethernet, 802.11b wireless | N/A | N/A |
| Windows 98, Me, 2000, XP, Various Linux systems (via USB only) | Windows 95, 98, Me, NT 4.0, 2000, XP, Various Linux systems (via USB only) | Windows 95, 98, Me, NT 4.0, 2000, XP, Various Linux systems (via USB only) | Windows 98, Me, 2000, XP, Various Linux systems (via USB only) |
| 16 MB RAM | 32 MB RAM, 48 MB RAM | 8 MB RAM | 8 MB RAM |
| Less than 50 dBA | Less than 60 dBA | Less than 52 dBA | Less than 52 dBA |
| 35 watts, 90 watts, 350 watts | 35 watts, 115 watts, 430 watts | 12 watts, 85 watts, 300 watts | 10 watts, 95 watts, 300 watts |
| 21" x 17" x 18" | 21.3" x 17.4" x 19.2" | 17" x 16.6" x 13.7" | 17" x 16.6" x 13.7" |
| 55 lbs. | 55 lbs. | 21.4 lbs. | 21.4 lbs. |

| Supplies / Hardware | Color Laser | | | | | | | | | | | Mono Laser | | | | | | | | | | |

| Supplies / Hardware | Fax | | |

**The way we think.** Exciting features. Distinctive designs. Entirely new products. They're what the world expects of us. And they're what we expect of ourselves. Because we're driven by the thought that even when it's perfect, it can be better. It's why we continually reinvent even our own successful products. And it's a way of thinking that consistently results in products with more power. More productivity. More style. More fun. More everything. We also manufacture many of our own components, so we have the freedom to conceive and design and build and create without limit. Our way of thinking lets us give you exactly the products you want. Which, in the end, are exactly the products we want.

## Supplies and Accessories

Remember, Samsung printers and multifunction products work best with genuine Samsung supplies and accessories.

## Awards

CLP-510
June 2005

ML-2251N
January 2004

ML-2551N
January 2004

SCX-4720F
January 2005

ML-2250
February 2005
March 2005
April 2005
May 2005
June 2005
July 2005
August 2005
September 2005
November 2005
December 2005

SCX-4720F
February 2005
March 2005
April 2005
May 2005
June 2005
July 2005
August 2005

ML-1740
May 2005
June 2005
July 2005
August 2005

CLP-510
May 2005
June 2005
July 2005
August 2005

CLP-510N
April 2005

Recommended
CLP-500
August 30, 2004

ML-2251N
October 8, 2004

CLP-510
April 2005

CLP-500
June 2004/July 2004

## Support

We're here when you need us. Our free industry-leading technical support is available on all Samsung printers. Just call us at 1-800-SAMSUNG.

## Warranty

1 year limited warranty on all printers except CLP-510 and CLP-600 Series. 1 year on-site warranty for CLP-510 and CLP-600 Series.

www.samsung.com/printer
1-800-SAMSUNG

CHANGE FOR THE BETTER WITH ENERGY STAR

SAMSUNG

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